

# The Ohio Water Table

A Publication of the Water Management Association of Ohio

No. 155 / Quarterly



## Introducing the Ohio Scenic Rivers Association!

By **Bill Schieman**, OSRA Secretary

Word is out!! Ohio finally has a non-profit organization whose mission is to protect and improve the natural environments and the water quality of Ohio's Scenic Rivers. Please welcome The Ohio Scenic Rivers Association (OSRA) to the family of organizations dedicated to protecting and improving Ohio's water resources.



OSRA works to educate Ohioans on the importance of Scenic Rivers, promotes stewardship with local stakeholders, facilitates public-private partnerships and works to develop non-partisan public and governmental support for sustainable Ohio Scenic Rivers.

OSRA has a special interest in building relationships and seeks to facilitate the goals of all organizations and individuals across the state who work to increase stewardship of Ohio's Scenic Rivers. Many OSRA members are also

members of Scenic Rivers Advisory Councils.

OSRA has already been working with the Ohio Environmental Protection Agency (Ohio EPA), commenting on their Enhanced Two-Pronged Approach to Monitoring Aquatic

*Continued on Page 3*



*Little Miami River. Credit: Ohio Department of Natural Resources*

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## President's Column

Eugene Braig, WMAO 2020-2021 President



I'm a lake guy, but today (and with some frequency), I find myself thinking on rivers and streams. Professional life as a fisheries biologist and semi-casual limnologist occasionally finds me working on rivers, which I've been fortunate to do (sometimes in a very small way, but still...) spanning the northern reaches of the 48 contiguous U.S. states to tropical rain-forest rivers of southern Central America. Recreation time on rivers expanding into Canada. TerrAqua, WMAO's affiliated student group at Ohio State University, has done Stream Quality Monitoring on Clintonville's Adena Brook under the state's volunteer program. Here at home, central Ohio's Olentangy River flows across (and over the eastern edge of) my own backyard as well as just east of my office window, and I am honored to serve on the Olentangy State Scenic River Advisory Council and on an informal Darby Creek Workgroup coordinated by the U.S. Fish and Wildlife Service. Etc.

Given my own professional and recreational proclivities, my first thoughts on rivers always turn to their ecological function and as habitat for wild organisms. Those wild organisms can also serve as biological indicators of environmental degradation. (Our own Ohio Environmental Protection Agency was pioneering in developing formal, quantitative tools to so use in stream communities.) In addition, streams serve as source water for municipalities, residential use, agriculture, and industry; conduits for transportation and commerce; power generators (facilitating both kinetically and thermally); some commercial fisheries; access points for recreation; rechargers of groundwater systems; occasional waste transport; etc. ad infinitum.

Perhaps self-evident, but I am excited by the recent incorporation (just one year ago, October 2019) of the non-profit Ohio Scenic Rivers Association (OSRA: [ohioscenicriversassociation.org](http://ohioscenicriversassociation.org)). I encourage you to look into the organization and consider joining if their mission appeals. The Ohio Watershed Professionals Association (OWPA: one of our divisions) and WMAO were also excited to be helping to host OSRA's first Ohio Rivers Symposium scheduled for March 2020. But then COVID-19... All such potentially large, in-person gatherings were suddenly, disappointingly, necessarily canceled.


Life's lemons yield occasional lemonade; a phoenix occasionally rises from ashes; [insert relevant cliché of your choice here]: OSRA, OWPA, and the Ohio Department of Natural Resources' Division of Natural Areas and Preserves are resurrecting the Ohio Rivers Symposium to span sessions throughout Tuesday, November 3<sup>rd</sup> of WMAO's own now-virtual conference. **Our 49<sup>th</sup> annual conference runs 2–5 November** in whole and will be as diverse and topically exciting as ever, as you've come to expect; if your pet interest

*"Our own Ohio Environmental Protection Agency was pioneering in developing formal, quantitative tools to so use in stream communities."*



intersects human interests in water within the state of Ohio, we probably have somebody presenting on it. [See Page 5] The program was deliberately designed to span more days to allow for plenty of break time and so that no one session is too long (nobody wants to commit to staring at a screen for too many consecutive hours). Registration options are extremely flexible this virtual round, allowing unprecedented flexibility in your ability to customize the content that you choose to consume. Awards will be given, stimulating content will be delivered, professional contributions will be recognized, WMAO divisions will meet virtually, etc. Yes, the virtual format is less familiar, the potential for networking and socializing feels a little “sterilized” with the plastic boxes of our internet-connected devices between you and me, but lemons, phoenixes, and all... Check out details in this issue and at the “Conference” link in the header of [wmao.org](http://wmao.org). I sincerely look forward to virtually seeing you all there.


[Home](#) [Councils](#) [Event Calendar](#) [Documents](#) [Membership](#) [Contact Us](#)




Credit: Ohio Department of Natural Resources

As a national leader in the river protection movement, Ohio is proud of its Scenic Rivers.


Please Sign Me Up to Help Protect Ohio's Scenic Rivers!



Credit: Jessica Newman Decaro




Credit: Ohio Department of Natural Resources



Credit: Ohio Department of Natural Resources

### OHIO WILD AND SCENIC RIVERS

- [Ashtabula River](#)
- [Big & Little Darby Creek](#)
- [Chagrin River](#)
- [Conneaut Creek](#)
- [Cuyahoga River](#)
- [Grand River](#)
- [Kokosing River](#)
- [Little Beaver Creek](#)



Types of Designations  
~ Scenic  
~ Wild & Scenic  
~ State & National

*Newly launched webpage for the Ohio Scenic Rivers Association.*

*Continued from Page 1*

Life and the new Permit Process for Ephemeral Streams and Wetlands. They are also working with the Ohio Department of Natural Resources on a range of initiatives including the designation of new Scenic Rivers. OSRA’s goal is to support, strengthen and expand Ohio Scenic Rivers management, programming and access.

OSRA is a membership organization composed of a diverse group of Ohioans, all having the goal of improving our state’s water resources. Please consider joining and visit the OSRA newly launched website at: [ohioscenicriversassociation.org](http://ohioscenicriversassociation.org).

There is strength in numbers!



*Little Beaver Creek. Credit: Columbiana SWCD.*





#8 ENGINEERING NEWS-RECORD DAMS & LEVEES

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# 49th Annual Water Management Association of Ohio Conference

## Conference Registration (up to 1.4 CEUs):

Attendees can select unlimited access to the agenda or by individual session:

Unlimited Access – WMAO Members	\$100
Unlimited Access – Nonmembers	\$125
Unlimited Access – Emeritus Members	\$ 50
Plenary and Sessions I through XIII	\$25 each
Student Members – All Sessions*	No Fee



\*Student members can register for free. Annual membership for students in WMAO is \$10. Join as a [WMAO Member](#) and then go to the conference registration portal to make selections.

## Conference Sponsorships:

We invite water resource companies to showcase their services to conference attendees through a sponsorship. Company logos will be prominently displayed on marketing materials, the website, and during session introductions.

Full Conference Sponsorship	\$300
Awards Ceremony Sponsorship	\$150
Session Sponsorship	\$ 75

One Unlimited Access or entry to an individual session is included in the cost of either a Full Conference Sponsorship or a Session Sponsorship, respectively. The Awards Ceremony is open to all without a fee.

## Conference Day:

Conference registrants will receive an email with a link to the virtual meeting rooms in Zoom a day or two prior to the scheduled session. An evaluation survey will be sent following the conference to provide the Planning Committee feedback and to confirm attendance for certification hours.





# 49th Annual Water Management Association of Ohio Conference

## Agenda at a Glance

Monday, November 2, 2020		Tuesday, November 3, 2020	
Plenary Session		Session III	Session IV
9:00 - 11:00		9:00 - 11:00	9:00 - 11:00
Keynote Address & Recreation		Ohio Lake Management Society (OLMS)	ODNR-DNAP, OWPA, OSRA Rivers Symposium
<b>Danella Pettenski, Administrator</b> City of Columbus, Division of Water		<i>Pouring Salt into the Waters: Recent Increases in Chloride in Lake Erie Tributaries</i> ( <b>Douglas Kane</b> , Heidelberg University)	Opening Remarks - Welcome: <b>Mary Mertz</b> , Director, Ohio Department of Natural Resources
		<i>Spectral Decomposition of remote sensing images as a tool for water quality management</i> ( <b>Joseph Ortiz</b> , Kent State University)	Keynote Address: <i>Recent Trends in Ohio's Native Fish: Expansions and Contractions</i> ( <b>Brian Zimmerman</b> , The Ohio State University)
Cleveland Metroparks Fisheries Program: An Intersection of Conservation, Education and Recreation ( <b>Mike Durkalec</b> , Cleveland Metroparks)		<i>Researching HAB Mitigation through Optimization of Algaecide Type and Application</i> ( <b>Elizabeth Crafton</b> , Hazen and Sawyer and <b>Jessica Glowczewski</b> , City of Akron)	<i>Geologic History and Geomorphology of the Little Miami River</i> ( <b>Mike Angle</b> , Ohio DNR Division of Geologic Survey)
<i>Clean H2O in the O-H-I-O: Encouraging clean water through innovations in sustainability</i> ( <b>Heather Sheets</b> , Ohio Clean Marinas)		<i>Field Testing of AB Algaecide Optimization Research at Lake Rockwell Reservoir</i> ( <b>Jessica Glowczewski</b> and <b>Charles Lacy</b> , City of Akron)	<i>The Heidelberg Tributary Loading Program: Keeping a Finger on the Pulse of Ohio's Watersheds</i> ( <b>Laura Johnson</b> , Heidelberg University)
11:30-12:30		11:30-12:30	
OLMS Annual Meeting		OWPA Annual Meeting	
Session I	Session II	Session V	Session VI
1:00 - 3:00	1:00 - 3:00	1:00 - 3:00	1:00 - 3:00
Ohio Floodplain Management (OFMA)	Water Resources	Ohio Lake Management Society (OLMS)	ODNR-DNAP, OWPA, OSRA Rivers Symposium
<i>Proactive Data Collection for Flood Warning</i> ( <b>Chuck Kozora</b> , OTT Hydromet)	<i>An Evaluation of the Long-term Integrity of the Ohio Ground Water Observation Well Network</i> ( <b>Curtis Coe</b> , Ohio DNR Division of Geological Survey)	<i>Comparing SWAT predicted flows at field-scale with edge-of-field data in western Lake Erie basin, US</i> ( <b>Asmita Murumkar</b> , The Ohio State University)	<i>A Partnership to Protect Ohio's Giant Salamander, the Eastern Hellbender</i> ( <b>Greg Lipps</b> , The Ohio State University)
<i>National Flood Insurance Program (NFIP) Update</i> ( <b>Alicia Silverio</b> , ODNR Division of Water Resources)	<i>Three-Dimensional Hydrodynamic Modeling to Analyze the Salinity Interaction between Coastal Marshland</i> ( <b>Sharesh Sharma</b> , Youngstown State University)	<i>Sport Fish Assessment in Ohio: the Inland Management System</i> ( <b>Curtis Wagner</b> , Ohio DNR Division of Wildlife)	<i>Status of Ohio Freshwater Mussels in the Little Miami River and Statewide</i> ( <b>Michael Hoggarth</b> , Otterbein University)
<i>Temporary Fill and their impact to the BFE</i> ( <b>Chad Boyer</b> , ms consultants, inc.)	<i>Education and Financial Assistance Programs for Homeowners with Private Drinking Water Wells</i> ( <b>Cindy Brookes</b> , Great Lakes Community Action Partnership)	<i>The US EPA's National Lakes Assessment: A Collaborative Survey of the Nation's Lakes and Reservoirs</i> ( <b>Lareina Guenzel</b> , U.S. EPA)	<i>Scioto Brush Creek: Watershed Education, Awareness and Involvement in a Rural Community</i> ( <b>Martin McAllister</b> , The Nature Conservancy)
<i>The Ohio State University Levee Project</i> ( <b>Miles Hebert</b> , EMH&T)	<i>Design-Build delivery and its benefits to stream restoration projects</i> ( <b>John Herchl</b> , Environmental Remediation Contractor)	<i>Can Buoys Predict the Future? Early Alerts of Harmful Algal Blooms</i> ( <b>Darren Bade</b> , Kent State University)	<b>Meet the River Partnerships</b> Join us for small group discussions related to Ohio rivers

Wednesday, November 4, 2020		Thursday, November 5, 2020	
Session VII	Session VIII	Session XI	Session XII
9:00 - 11:00	9:00 - 11:00	9:00 - 11:00	9:00 - 11:00
Asset Management	Ohio Watershed Professionals Association (OWPA)	Agriculture	Ohio Dam Safety Organization (ODSO)
Concept of Remaining Useful Life: Benefits & Dangers ( <b>Murat Ulasir</b> , OHM Advisors)	Statewide Volunteer Monitoring Programs: Keys for Success ( <b>Marcy Knoll Wilmes</b> , Michigan Dept. of Environment, Great Lakes, and Energy)	Farmer Advocates for Conservation ( <b>Stephanie Singer</b> , and <b>Erin Payne</b> , The Nature Conservancy)	Utilizing Scanning and UAV Technologies to Document As-Built & Monitor Potential Spillway Movement ( <b>Boris Slogar</b> and <b>David Lautenschleger</b> , Muskingum Watershed Conservancy District)
Application of Artificial Intelligence in Operations & Planning ( <b>Murat Ulasir</b> , OHM Advisors)	Choose Your Adventure: A Model for Watershed Stewardship Program ( <b>Lisa Meranti</b> , Cleveland Metroparks)	The Farmer or the Farm: What Explains Farmers' Nutrient Loss? Associated Risk Perceptions? ( <b>Elizabeth Schwab</b> , The Ohio State University)	Case Study: The Importance of Good Flashboard Design for Dam Safety, a Dam Owner's Perspective ( <b>Stephen Kinsley</b> , City of Columbus)
Data the Newest Asset ( <b>Mark McCabe</b> , Wallace Pancher Group)	Volunteer Monitoring in Licking County, Ohio: A Soil and Water Conservation District Program ( <b>Denise Natoli Brooks</b> , Licking SWCD)	What are the nutrient levels in Lake Erie tributaries and where are they coming from: Expanded Nutrient Monitoring Report ( <b>Sandra Kosek-Sills</b> , Ohio Lake Erie Commission & <b>Paul Gledhill</b> , Ohio EPA)	Saving Lake Jinelle - Ohio's First Dam Overtopping Protection Project with ACBs ( <b>Erik Schuller</b> , Gannett Fleming Engineers and Architects)
Drinking Water Metrics for a Complete Asset Management Program ( <b>Sean Stephenson</b> , Ohio EPA)	Collecting Monitoring Data to Inform Stormwater Management Policy ( <b>Matt Wooden</b> , Northern Kentucky Sanitation District No. 1)	H2Ohio Implementation on Working Agricultural Lands in the WLEB ( <b>Clark Hutson</b> , ODA Division of Soil and Water Conservation)	The failures of Edenville and Sanford dams in May 2020 ( <b>Daniel Pradel</b> , The Ohio State University)
11:30-12:30		11:30-1:00	
Poster Session		AWARDS CEREMONY and WMAO ANNUAL MEETING	
Session IX	Session X	Session XIII	ODSO Annual Meeting
1:00 - 3:00	1:00 - 3:00	1:00 - 3:00	1:30 - 2:30
Drinking Water	Ohio Stormwater Association (OSWA)	Water Education	
Source Water Protection Planning in the Age of PFAS ( <b>Doug Hunter</b> , Cox-Colvin & Associates, Inc.)	Can We Retrofit Storm Sewers to Reduce the Frequency of Stream Disturbances? ( <b>Adam Lehmann</b> , Hamilton SWCD)	2020 Project WET Ohio Water Education Program Updates ( <b>Dennis Clement</b> , Ohio EPA Office of Environmental Education)	
Optimization of Microcystin-LR Removal by Permanganate Pre-oxidation ( <b>Maycee Hurd</b> , The Ohio State University)	Habitat Provision by Bioretention Retrofits in an Urban Area ( <b>David Wituszynski</b> , The Ohio State University)	Ohio County Soil and Water Conservation Districts Area and OFSWCD State Envirothon ( <b>Janelle Mead</b> , OFSWCD; <b>Emily Heppner</b> , ODA; and <b>Wendee Zandanski</b> , Jefferson SWCD)	
Characterization of ambient germicidal UVB ( <b>Eric Mbonimpa</b> , Air force Institute of Technology)	Underground Storage and Pretreatment: Design Methods in Ohio ( <b>Michael Cook</b> , Advanced Drainage Systems, Inc.)	Future City ( <b>Kevin White</b> , IBI Group and <b>Matt Marquis</b> , Hull & Associates, LLC)	
Integrating Source Water Protection into Ohio's Environmental Programs ( <b>Craig Smith</b> , Ohio EPA Division of Drinking and Ground Waters)	Managing Stormwater - Regionally and Collaboratively ( <b>Frank Greenland</b> , Northeast Ohio Regional Sewer District)	Distance Learning and discover-water.org During Covid-19: A Closer Look At Project WET Materials for Virtual Learning ( <b>Dennis Clement</b> , Ohio EPA Office of EE)	

Register Here

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## Virtual Outreach Enables Continued Education on Stormwater Issues

By **Theresa McGeady** and **Felicia Graham**, OSWA Education Committee

On [September 30<sup>th</sup>](#) and [October 7<sup>th</sup>](#) the Ohio Stormwater Association (OSWA) hosted a two-part workshop series on Developing Nine-Element Nonpoint Sources Implementation Strategic Plans (NPS-IS) in Ohio. In the past, the OSWA has held three regional workshops throughout Ohio to bring stormwater-related educational opportunities to water professionals.

### What is a NPS-IS?



- **Nonpoint Source Implementation Strategy** “Nip-sis”
- Ohio 9-Key-Element planning framework
- Watershed-based – “Watershed Assessment Units” – HUC-12
- Science-based – data, goals, objectives, critical areas
- Project-focused – details
- Local – stakeholder involvement
- State endorsed based on U.S. EPA guidance
- Grant program requirement – 319 grants; GLRI sub-awards



Planning for the workshops began early in 2020 and the planning committee was hopeful the live sessions could be held in the fall. As the year progressed, the committee considered hosting the workshops virtually. Greg Nageotte, WMAO Secretary, suggested that WMAO might be able to assist with a virtual workshop. After reaching out to Dana Oleskiewicz, Administrative Director (aka Zoom-user extraordinaire), it was determined that WMAO’s Zoom account could be used as a platform to host the workshops. With Dana’s guidance, OSWA was able to present the live sessions remotely. A dry-run for each workshop was also held with the panelists. This additional measure ensured that all of the speakers and hosts were “comfortable” with using the software. The workshop was a success! Recordings from each of the dates are linked above in the opening paragraph.

Day One featured Greg Nageotte (Ohio Department of Agriculture) and Rick Wilson (Ohio EPA) to give background on the NPS-IS program, including tools and resources. Case studies were presented on Day Two, offered by; Christina Znidarsic (Environmental Design Group), Deanna Bobak (Civil & Environmental Consultants, Inc.), Nate Schlater (Rural Action), and Amy Mackey (Ohio University).

Registration was simple through WMAO’s website. Attendees were emailed a link to join the live session the day before the webinar. According to responses from the post-survey, the overall rating for the workshop ranged from “very good” to “excellent”.

As we all adapt to this new virtual world, the OSWA will continue to offer virtual stormwater education opportunities, with the support of WMAO. Please join us on November 12<sup>th</sup> for an OSWA webinar on Ohio EPA MS4 audits. See the [WMAO calendar](#) for more information.



## Ohio EPA MS4 Audits

November 12, 2020

1:00 - 2:00 p.m.

Speaker: Dan Bogoeveski, Ohio EPA

*Webinar by the Ohio Stormwater Association in Collaboration with Ohio EPA*

[MORE INFO](#)





# Ohio Floodplain Management Association



[NEWS](#) >

## 2020 Ohio Statewide Floodplain Management Conference

posted Jun 8, 2020, 12:57 PM by OFMA [ updated Oct 2, 2020, 12:38 PM ]

**Due to COVID-19, the Ohio Statewide Floodplain Management Conference will be offered as a WEBINAR SERIES at no cost.**

**Dates: December 8th and 15th, 2020**

CREDITS: Individuals will be able to obtain professional education credits (Continuing Education Credits (CEC) and Continuing Professional Development (CPD)) for participation.

### CALL FOR PRESENTERS

OFMA is seeking presentations for this webinar series that focus on the following:

- National Flood Insurance Program (NFIP)
- Regulations
- Flood Insurance
- Flood Hazard Mapping
- Damage Assessment
- Flood Mitigation
- Structural Flood Control (Dams, Levees, etc...)
- Data, Engineering, & Modeling
- Geographic Information Systems (GIS)
- Water Resources Management
- Education & Outreach
- Green Infrastructure & Stormwater Management
- Coastal Floodplain Management
- Building Code
- Using Technology and Media for Floodplain Management

**MORE INFO**

**Submission Information.** The Call for Presenters is open to anyone interested in making a presentation in the webinar series. Submissions will be reviewed by the Conference Planning Committee and selected based on content and relevance to floodplain management. **Submissions must be received by November 2, 2020 to be considered for presentation.** Incomplete or late submissions may be refused.



## WATER MANAGEMENT ASSOCIATION OF OHIO

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*Dana Oleskiewicz, Administrative Director*

[www.wmao.org](http://www.wmao.org)

The Water Management Association of Ohio (WMAO) is the one organization dedicated to all of Ohio's water resources.

**VISION:** To be recognized statewide as the go-to community for people who manage and safeguard Ohio's water resources.

**MISSION:** To support Ohio's water resource professionals with essential information, education, and networking opportunities

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